

# NORTH DAKOTA CROP, LIVESTOCK & WEATHER REPORT



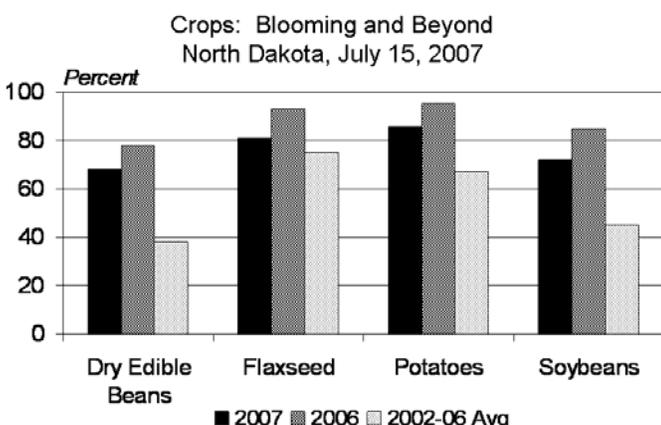
Cooperating With:  
NDSU EXTENSION SERVICE,  
FARM SERVICE AGENCY,  
ND AG WEATHER NETWORK (NDAWN)  
and  
UND AEROSPACE REGIONAL WEATHER  
INFORMATION CENTER

Released: July 16, 2007  
For Week Ending: July 15, 2007  
ND-CW2907

**General:** Strong thunderstorms caused isolated crop damage, but also brought needed rainfall, according to the USDA, National Agricultural Statistics Service, North Dakota Field Office. Reporters noted in areas receiving excessive moisture that producers were concerned leaf disease and scab will cause damage to their crops. Producers in other areas remained concerned that excessive heat has caused small grains to mature rapidly, which will reduce its yield potential. Topsoil moisture supplies were rated 72 percent adequate to surplus. This compares with last year and the five-year (2002-2006) average, of 15 and 65 percent adequate to surplus, respectively. Subsoil moisture supplies were rated 1 percent very short, 20 short, 73 adequate and 6 surplus. Statewide, on average, there were 6.1 days suitable for fieldwork.

**Crops:** Barley and oat harvest was underway by week's end, but less than one-half of one percent was recorded. Spring wheat and durum wheat were 21 and 6 percent turned, respectively. Both were developing behind last year, but at or ahead of average. Small grain crop conditions continued to be rated mostly good to excellent. Soybeans in the blooming developmental stage made the most progress during the week as they gained 45 percentage points to 72 percent complete. Dry edible beans and flaxseed blooming also made excellent progress, advancing at least 29 percentage points to 68 and 81 percent complete, respectively. All other crop conditions remained mostly good to excellent.

**Livestock:** Warm, dry weather in western districts allowed producers to make good progress harvesting hay during the week. Other hay was 67 percent complete by week's end. The first cutting of alfalfa was 96 percent complete, while the second cutting of alfalfa was 11 percent complete. Both alfalfa hay cuttings were behind last year. Hay condition was rated 3 percent poor, 15 fair, 63 good and 19 excellent. Pasture and range conditions were rated 1 percent very poor, 4 poor, 18 fair, 63 good and 14 excellent, compared with 16 percent very poor, 16 poor, 26 fair, 34 good and 8 excellent on average. Stockwater supplies, at 91 percent adequate to surplus, were rated double last year's 45 percent adequate to surplus.



## Crop and Pasture Condition North Dakota, Week Ending July 15, 2007

Crop	Very Poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent
Barley	1	2	11	66	20
Durum Wheat	1	1	14	69	15
Spring Wheat	1	3	12	68	16
Oats	0	1	9	78	12
Canola	0	1	13	67	19
Corn	2	3	14	63	18
Dry Edible Beans	2	7	27	53	11
Dry Edible Peas	0	1	10	74	15
Flaxseed	0	1	8	80	11
Potatoes	1	10	25	52	12
Soybeans	2	3	14	62	19
Sugarbeets	1	5	23	55	16
Sunflower	0	2	11	71	16
Hay	0	3	15	63	19
Pasture and Range	1	4	18	63	14

## Crop Development Progress North Dakota, Week Ending July 15, 2007 <sup>1/2</sup>

Crop	Week Ending			2002-2006 Avg
	July 15, 2007	July 8, 2007	July 15, 2006	
	Percent	Percent	Percent	Percent
BARLEY				
Boot	100	96	100	95
Headed	98	88	96	86
Milk	81	54	77	54
Turning	42	10	40	21
Harvested	0	NA	2	0
DURUM WHEAT				
Jointed	90	86	99	94
Boot	80	69	94	80
Headed	66	51	77	59
Milk	32	12	39	25
Turning	6	1	14	6
SPRING WHEAT				
Boot	99	95	100	95
Headed	94	81	96	84
Milk	68	41	77	51
Turning	21	4	35	17
Harvested	0	NA	1	0
OATS				
Boot	99	94	100	95
Headed	94	84	96	85
Milk	73	48	78	54
Turning	30	9	50	21
Harvested	0	0	4	1
CANOLA				
Blooming	98	89	95	93
Turning	13	3	22	10
CORN				
Silking	25	7	27	11
DRY EDIBLE BEANS				
Blooming	68	31	78	38
Setting Pods	10	4	30	9
DRY EDIBLE PEAS				
Flowering	99	94	99	NA
Mature	23	3	36	NA
Harvested	0	NA	5	NA
FLAXSEED				
Blooming	81	52	93	75
Turning	3	1	14	4
POTATOES				
Blooming	86	67	95	67
Rows Filled	31	23	68	42
SOYBEANS				
Blooming	72	27	85	45
Setting Pods	11	0	35	11
SUNFLOWERS				
Blooming	3	2	8	2

<sup>1/</sup> Crop development percents represent all acreage in or beyond each stage.  
<sup>2/</sup> Progress is based on current intended acreage. NA = Not Available

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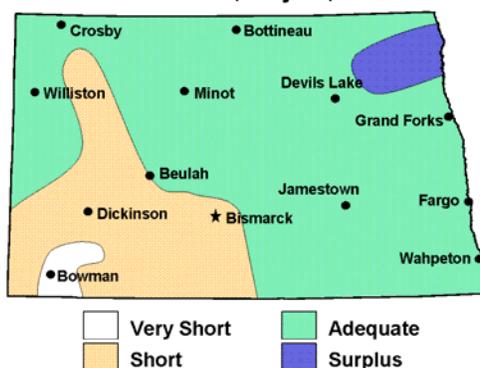
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**Soil Moisture Supplies  
 North Dakota, Week Ending July 15, 2007**

Date	Week Ending			2002-2006 Avg
	July 15, 2007	July 8, 2007	July 15, 2006	
	Percent	Percent	Percent	Percent
<b>Topsoil</b>				
Very Short	3	1	43	15
Short	25	26	42	21
Adequate	67	69	15	55
Surplus	5	4	0	9
<b>Subsoil</b>				
Very Short	1	1	30	14
Short	20	16	44	22
Adequate	73	77	26	54
Surplus	6	6	0	10

**Topsoil Moisture Supplies  
 North Dakota, July 15, 2007**



**Weather:** The week started off with highs in the 80s as some strong storms moved through North Dakota giving most locations a fair amount of moisture. With Monday's storms there were numerous hail and wind reports mainly located in the extreme southwest part of the state and McLean County where an EF1 tornado touched down. Tuesday cooled down to the lower 70s as showers moved through the eastern half of the state. Wednesday and Thursday were calm with a little bit of rain falling in the northeast as highs climbed into the upper 70s. Friday highs climbed into the upper 80s to lower 90s as precipitation fell in the eastern half of the state. Saturday was calm and dry as highs cooled back down into the 80s. Sunday highs climbed into the upper 80s to lower 90s as precipitation fell in the northwestern and the eastern half of the state as strong storms moved from the central into the eastern regions. Numerous hail and wind reports occurred with these storms with most of them occurring in the southeastern region of the state.

**Outlook, July 16-22:** This week expect a fairly dry week and a bit warmer than last week. Monday will start off with a chance of scattered storms to bring some precipitation to the state, mainly to the southern half as highs are in the 80s for the eastern half and 90s for the western half. Tuesday is dry and calm as highs continue to stay in the 80s for the eastern half and the 90s for the western half of the state. Wednesday brings another threat for precipitation to the state in the form of scattered storms with greater chances of moisture in the western half of the state. Thursday, Friday and Saturday will be dry and calm as highs rise up to the 80s to lower 90s with cooler temperatures occurring in the eastern half of the state. Sunday will be another dry day as highs climb in the upper 80s to lower 90s throughout the state.

**Temperature & Precipitation: Districts and Stations  
 North Dakota, Week ending July 15, 2007**

District Averages	Average Temperature		Seasonal Precipitation Beginning April 1 <sup>1/</sup>		
	Past Week	Depart Normal <sup>2/</sup>	Past Week	Total	Depart Normal <sup>2/</sup>
	(Degrees F)	(Degrees F)	(Inches)	(Inches)	(Inches)
Northwest(1)	69	1	0.47	9.49	1.75
N. Central(2)	65	-1	1.16	11.32	3.11
Northeast(3)	65	-2	2.48	14.25	6.19
W. Central(4)	70	1	0.33	8.07	-0.15
Central(5)	67	-2	0.65	11.48	3.32
E. Central(6)	66	-2	1.34	12.49	3.47
Southwest(7)	69	0	0.31	9.28	1.09
S. Central(8)	69	0	0.29	11.33	3.12
Southeast(9)	68	-1	0.43	13.93	4.68

<sup>1/</sup> Precipitation amounts may vary due to an inaccurate snowfall melt. <sup>2/</sup> Normal is the 1971-2000 average. NA=Not available. Weather data collected from NDAWN stations and compiled by UND Aerospace Regional Weather Information Center.

**Temperature & Precipitation: Districts and Stations  
 North Dakota, Week ending July 15, 2007**

Stations by District	Temperature Past Week		Seasonal Precipitation Beginning April 1 <sup>1/</sup>		
	High	Low	Past Week	Total	Depart Normal <sup>2/</sup>
	(Degrees F)	(Degrees F)	(Inches)	(Inches)	(Inches)
(1) Bowbells	87	48	0.77	9.78	1.80
Williston	94	50	0.07	8.30	1.75
Mohall	88	48	0.51	9.33	1.41
Minot	91	51	0.52	10.54	2.02
(2) Baker	82	49	1.41	12.77	4.73
Bottineau	85	46	0.80	10.58	2.30
Rugby	84	47	1.28	10.60	2.31
(3) Cando	82	46	2.59	14.24	6.57
Cavalier	82	49	3.25	15.49	7.32
Forest River	83	52	2.05	13.28	5.05
Grand Forks	83	51	1.50	11.03	3.29
Langdon	79	49	2.42	12.45	4.14
St. Thomas	81	53	3.09	19.01	10.78
(4) Hazen	95	48	0.48	7.76	-0.86
Turtle Lake	91	48	0.34	9.66	1.20
Watford City	94	48	0.17	6.78	-0.79
(5) Carrington	84	49	0.76	9.15	-0.26
Harvey	87	48	0.46	11.06	4.31
Jamestown	85	51	0.68	13.86	5.51
Robinson	85	49	1.07	10.43	2.06
Streeter	85	49	0.27	12.89	5.00
(6) Dazey	84	50	1.51	12.58	3.68
Fargo	86	50	1.07	12.90	3.84
Hillsboro	83	48	1.43	11.98	2.90
(7) Beach	91	48	0.24	9.40	1.69
Bowman	93	47	0.78	10.78	2.65
Dickinson	93	46	0.13	6.78	-1.86
Hettinger	94	43	0.09	10.17	1.86
(8) Mandan	91	49	0.32	12.73	4.33
Linton	89	49	0.25	9.93	1.90
(9) Edgeley	87	51	0.48	10.59	1.61
Oakes	86	51	0.04	15.50	6.53
Wyndmere	86	52	0.76	15.69	5.91

<sup>1/</sup> Precipitation amounts may vary due to an inaccurate snowfall melt. <sup>2/</sup> Normal is the 1971-2000 average. NA=Not Available. Weather data collected from NDAWN stations and compiled by UND Aerospace Regional Weather Information Center.